

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/713,653  
Source: JFWO  
Date Processed by STIC: 03/20/2006

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## RAW SEQUENCE LISTING

DATE: 03/20/2006

PATENT APPLICATION: US/10/713,653

TIME: 09:35:38

Input Set : A:\08453~2.TXT

Output Set: N:\CRF4\03202006\J713653.raw

(Pg-6)

```

3 <110> APPLICANT: Accola, Molly
4   Wigdal, Susan S.
5   Mast, Andrea L.
6   Bartholomay, Christian T.
7   Kwiatkowski, Jr., Robert W.
8   Tevere, Vincent
9   Ip, Hon S.
10  Carroll, Kathleen
11  Peterson, Patrick
12  Agarwal, Poonam
13  Jarvis, Nancy
14  Hall, Jeffrey
15  Heisler, Laura
17 <120> TITLE OF INVENTION: CFTR Allele Detection Assays
19 <130> FILE REFERENCE: FORS-08453
21 <140> CURRENT APPLICATION NUMBER: 10/713,653
22 <141> CURRENT FILING DATE: 2003-11-14
24 <160> NUMBER OF SEQ ID NOS: 518
26 <170> SOFTWARE: PatentIn version 3.2
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 45
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Synthetic
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42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Synthetic
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52 <210> SEQ ID NO: 3
53 <211> LENGTH: 27
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Synthetic
60 <400> SEQUENCE: 3
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66 <212> TYPE: DNA
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70 <223> OTHER INFORMATION: Synthetic
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75 aggt                                                                    64
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 64
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Synthetic
86 <400> SEQUENCE: 5
87 ccagtggatc cagcaacctc caacaactgt cctctttcta tcttgaaatt aatatctttc      60
89 aggt                                                                    64
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 35
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Synthetic
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <222> LOCATION: (3)..(3)
104 <223> OTHER INFORMATION: The residue at this position is linked to a Z28 quencher.
106 <400> SEQUENCE: 6
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110 <210> SEQ ID NO: 7
111 <211> LENGTH: 35
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Synthetic
119 <220> FEATURE:
120 <221> NAME/KEY: misc_feature
121 <222> LOCATION: (3)..(3)
122 <223> OTHER INFORMATION: The residue at this position is linked to a Z28 quencher.
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128 <210> SEQ ID NO: 8
129 <211> LENGTH: 34
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Synthetic
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137 agttcattga catgccaaca gaaggtaaac ctat 34
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146 <223> OTHER INFORMATION: Synthetic
148 <400> SEQUENCE: 9
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152 <210> SEQ ID NO: 10
153 <211> LENGTH: 31
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Synthetic
160 <400> SEQUENCE: 10
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164 <210> SEQ ID NO: 11
165 <211> LENGTH: 57
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Synthetic
172 <400> SEQUENCE: 11
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177 <211> LENGTH: 56
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Synthetic
184 <400> SEQUENCE: 12
185 tcttgatagg tttggttgac ttgtaggttt accttctgtt ggcattgtcaa tgaact 56
188 <210> SEQ ID NO: 13
189 <211> LENGTH: 35
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Synthetic
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <222> LOCATION: (3)..(3)
200 <223> OTHER INFORMATION: The residue at this position is linked to a Z28 quencher.
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206 <210> SEQ ID NO: 14
207 <211> LENGTH: 35
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence

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211 <220> FEATURE:
212 <223> OTHER INFORMATION: Synthetic
215 <220> FEATURE:
216 <221> NAME/KEY: misc_feature
217 <222> LOCATION: (3)..(3)
218 <223> OTHER INFORMATION: The residue at this position is linked to a Z28 quencher.
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225 <211> LENGTH: 41
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Synthetic
232 <400> SEQUENCE: 15
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236 <210> SEQ ID NO: 16
237 <211> LENGTH: 37
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Synthetic
244 <400> SEQUENCE: 16
245 acggacgcgg aggaatcttt ttatatattag gggtaag 37
248 <210> SEQ ID NO: 17
249 <211> LENGTH: 38
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Synthetic
256 <400> SEQUENCE: 17
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261 <211> LENGTH: 73
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Synthetic
268 <400> SEQUENCE: 18
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271 gccgaagggc att 73
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 73
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Synthetic
282 <400> SEQUENCE: 19
283 agatccttac ccctaaatat aaaaagattt catagaacat aaatctccag aaaaaacatc 60

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Input Set : A:\08453~2.TXT

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288 <210> SEQ ID NO: 20
289 <211> LENGTH: 35
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Synthetic
297 <220> FEATURE:
298 <221> NAME/KEY: misc_feature
299 <222> LOCATION: (3)..(3)
300 <223> OTHER INFORMATION: The residue at this position is linked to a Z28 quencher.
302 <400> SEQUENCE: 20
303 tctagccggt tttccggctg agactccgcg tccgt 35
306 <210> SEQ ID NO: 21
307 <211> LENGTH: 35
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Synthetic
315 <220> FEATURE:
316 <221> NAME/KEY: misc_feature
317 <222> LOCATION: (3)..(3)
318 <223> OTHER INFORMATION: The residue at this position is linked to a Z28 quencher.
320 <400> SEQUENCE: 21
321 tctagccggt tttccggctg agacgtccgt ggcct 35
324 <210> SEQ ID NO: 22
325 <211> LENGTH: 37
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Synthetic
332 <400> SEQUENCE: 22
333 acggacgcgg aggttttttc taaatgttcc agaaaaa 37
336 <210> SEQ ID NO: 23
337 <211> LENGTH: 35
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Synthetic
344 <400> SEQUENCE: 23
345 cgcgccgagg cttttttcta aatgttccag aaaaa 35
348 <210> SEQ ID NO: 24
349 <211> LENGTH: 34
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Synthetic
356 <400> SEQUENCE: 24
357 ttcttgatca ctccactgtt catagggatc caat 34

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/713,653

DATE: 03/20/2006  
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Input Set : A:\08453~2.TXT  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:275; N Pos. 12  
Seq#:457; N Pos. 14  
Seq#:458; N Pos. 14  
Seq#:459; N Pos. 12  
Seq#:460; N Pos. 14  
Seq#:461; N Pos. 14  
Seq#:462; N Pos. 13  
Seq#:463; N Pos. 15  
Seq#:464; N Pos. 15  
Seq#:465; N Pos. 13  
Seq#:466; N Pos. 15  
Seq#:467; N Pos. 15  
Seq#:491; N Pos. 12  
Seq#:492; N Pos. 13  
Seq#:493; N Pos. 12  
Seq#:494; N Pos. 12

## VERIFICATION SUMMARY

DATE: 03/20/2006

PATENT APPLICATION: US/10/713,653

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Input Set : A:\08453~2.TXT

Output Set: N:\CRF4\03202006\J713653.raw

L:1061 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (74) SEQUENCE:  
L:3913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:0  
L:6246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:457 after pos.:0  
L:6269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:458 after pos.:0  
L:6292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:459 after pos.:0  
L:6310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:460 after pos.:0  
L:6328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:461 after pos.:0  
L:6351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:462 after pos.:0  
L:6374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:463 after pos.:0  
L:6397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:464 after pos.:0  
L:6420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:465 after pos.:0  
L:6443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:466 after pos.:0  
L:6466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:467 after pos.:0  
L:6765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:491 after pos.:0  
L:6788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:492 after pos.:0  
L:6811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:493 after pos.:0  
L:6834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:494 after pos.:0